2003/10/20 17:32	2003/10/20 17:32	2004/03/02 15:09	2004/03/02 15:09	2004/03/02 15:09	2004/03/02 15:09	2004/03/02 16:17	2004/03/02 16:18	2004/03/02 15:25	2004/03/02 16:18	2004/03/02 15:26	2004/03/02 15:27
USPAT; US-PGPUB; EPO; JPO; IBM_TDB	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	USPAT; US-PGPUB; EPO; JPO; TRM TOR	USPAT; US-PGPUB; EPO; JPO;	USPAT; US-PGPUB; EPO; JPO;	IBM_TDB USPAT; US-PGPUB; EPO; JPO; TRM TDB	USPAT; US-PGPUB; EPO; JPO; DERWENT;	USPAT; US-PGPUB; EPO; JPO; TRM TDB	USPAT; US-PGPUB; EPO; JPO; IBM TDB	USPAT; US-PGPUB; EPO; JPO; TRM TOR	USPAT; US-PGPUB; EPO; JPO; TRM TDR	USPAT; US-PGPUB; EPO; JPO; IBM TDB
0 (((threadlike or thread\$like) with struct\$4)) same (((imag\$4) same ((extract\$4 or obtain\$3 or retriv\$4 or sens\$3) near4 (point\$2 or pattern\$3))) same ((edge\$4 or boundr\$4 or curv\$4 or path\$3) near4 (track\$4 or locat\$4 or follow\$4 or sens\$4 or measur\$5 or read\$3)) same (hidirection\$3 or hack near track\$4) or hack)	or thread\$1 obtain\$3 o me (edge\$ locat\$4 or		365 382/157	242 382/158		894351 (edge\$4 boundr\$4 curv\$4 path\$3 tree\$1 structur\$3) near4 (track\$4 detect\$4 locat\$4 follow\$4 sens\$4 measur\$5 read\$3)	9026 ((edge\$4 boundr\$4 curv\$4 path\$3 tree\$1 structur\$3) near4 (track\$4 detect\$4 locat\$4 follow\$4 sens\$4 measur\$5 read\$3)) same ((start\$3 or end\$3) near3 (point\$3))	161 (((edge\$4 boundr\$4 curv\$4 path\$3 tree\$1 structur\$3) near4 (track\$4 detect\$4 locat\$4 follow\$4 sens\$4 measur\$5 read\$3) same ((start\$3 or end\$3) near3 (point\$3)) same (grid\$4 grat\$4 mesh\$4)	145 (((edge\$4 boundr\$4 curv\$4 path\$3 tree\$1 structur\$3) near4 (track\$4 detect\$4 locat\$4 follow\$4 sens\$4 measur\$5 read\$3)) same ((start\$3 or end\$3) near3 (point\$3)) same (front\$2 and back\$5)	0 382/156 and ((((edge\$4 boundr\$4 curv\$4 path\$3 tree\$1 structur\$3) near4 (track\$4 detect\$4 locat\$4 follow\$4 sens\$4 measur\$5 read\$3)) same ((start\$3 or end\$3) near3 (point\$3)) same (front\$2 and back\$5))	0 382/157 and (((edge\$4 boundr\$4 curv\$4 path\$3 tree\$1 structur\$3) near4 (track\$4 detect\$4 locat\$4 follow\$4 sens\$4 measur\$5 read\$3)) same ((start\$3 or end\$3) near3 (point\$3))) same (front\$2 and back\$5))
1	1	1	ı	1	1	1	1	1	1	1	ı

0 382/158 and (((edge\$4 boundr\$4 curv\$4 path\$3 tree\$1 structur\$3) (track\$4 detect\$4 locat\$4 follow\$4 sens\$4 measur\$5 read\$3)) same or end\$3) near3 (point\$3))) same (front\$2 and back\$5)) 0 382/158 and (((edge\$4 boundr\$4 curv\$4 path\$3 tree\$1 structur\$3) (track\$4 detect\$4 locat\$4 follow\$4 sens\$4 measur\$5 read\$3)
382/158 and (((edge\$4 boun (track\$4 detect\$4 locat\$4 or end\$3) near3 (point\$3); 382/157 and (((edge\$4 boun ())); and (()); and
<pre>(track\$4 detect\$4 locat\$4 follow\$4 sens\$4 measur\$5 read\$3)) same ((start\$3) or end\$3) near3 (point\$3))) 5 382/156 and (((edge\$4 boundr\$4 curv\$4 path\$3 tree\$1 structur\$3) near4</pre>
<pre>(track\$4 detect\$4 locat\$4 or end\$3) near3 (point\$3)) ((((edge\$4 boundr\$4 curv\$4</pre>
detect\$4 locat\$4 follow\$4 sens\$4 measur\$5 read\$3)) same ((start\$3 or end\$3) near3 (point\$3)) same (front\$2 and back\$5)) and (best\$3 near path\$3) 3608 (edge\$4 boundr\$4 curv\$4 path\$3 tree\$1 structur\$3) near4 (track\$4 dete
locat\$4 follow\$4 sens\$4 measur\$5 read\$3) near4 (best\$3 good) ((edge\$4 boundr\$4 curv\$4 bath\$3 tree\$1 structur\$3) near4 (track\$4
(((edges4 boundrs4 curv44 pach4) treest detect\$4 locat\$4 follow\$4 sens\$4 measur\$ same ((start\$3 or end\$3) near3 (point\$3) (((edges4 boundrs4 curv\$4 nath\$3 tree\$1
detect\$4 locat\$4 follow\$4 sens\$4 measur end\$3) near3 (point\$3))) same (front\$2
<pre>20 ((edge\$4 boundr\$4 curv\$4 path\$3 tree\$1 structur\$3) near4 (track\$4 detect\$4 locat\$4 follow\$4 sens\$4 measur\$5 read\$3) near4 (best\$3 good)) same ((start\$3 or end\$3) near3 (point\$3))</pre>
<pre>4 (((edge\$4 boundr\$4 curv\$4 path\$3 tree\$1 structur\$3) near4 (track\$4 detect\$4 locat\$4 follow\$4 sens\$4 measur\$5 read\$3) near4 (best\$3 good)) same ((start\$3 or end\$3) near3 (point\$3))) and (front\$2 and back\$5)</pre>

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		Scatter for Scatte	UD TICDAT		To
r i		500/100.URFN. filiation near2 front near2 march34 near2 technique	USPAT;	2004/03/03 11:09	ש מ
			US-PGPUB;		
ı	г	filiation near2 front near2 march\$4 near2 technique	IBM TDB USPAT;	2003/04/17 16:27	
			US-PGPUB; EPO; JPO;		
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1	n	chredulike heary structure same imagys	US-PGPUB;	/7:91 /1/50/5007	
	-		EPO; JPO; DERWENT;		
ı	4	((extract\$4 or obtain\$4 or pull\$3 or gather\$3) near3 (point\$3 or featur\$3)) same ((threadlike or thread\$like) near struct\$4)	USPAT; US-PGPUB;	2003/04/18 12:21	
			EPO; JPO; DERWENT;		
ŀ	457	((threadlike or thread\$like) with struct\$4)	IBM_TDB USPAT;	2003/10/20 17:31	덮
			US-FGFUB, EPO; JPO; DERWENT;		
ı	248	((threadlike or thread\$like) near struct\$4)	IBM TDB USPAT;	2003/04/18 12:24	4
			US-PGPUB;		
			DERWENT;		
I	1	(((threadlike or thread\$like) near struct\$4)) same (parent\$3 or child\$5 or ancest\$3 or father\$3)	IBM_TDB USPAT; US-PGPUB;	2003/04/18 12:26	9
			EPO; JPO; DERWENT;		
ı	0	(((threadlike or thread\$like) near struct\$4)) same (calculat\$4 near3	IBM_TDB USPAT; us-pcene.	2003/04/18 12:27	
			EPO; JPO; DERWENT;		
1	თ	(((threadlike or thread\$like) near struct\$4)) same (intens\$5)	IBM TDB USPAT;	2003/04/18 14:53	
			US-PGPUB;		
			DERWENT; IBM TDB		
l	186975	(edge\$4 or boundr\$4 or curv\$4) near4 (detect\$4 or follow\$4 or sens\$4 or measur\$5 or read\$3)	USPAT; US-PGPUB;	2003/04/18 15:26	φ
			EPO; JPO; DERWENT; IBM TDB		

UB; PO; T; B	or	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	or USPAT; 2003/04/18 16:16 US-PGPUB; EPO; JPO; DERWENT; IBM TDB	ь Н	or USPAT; 2004/03/02 15:23 US-PGPUB; EPO; JPO; DERWENT; IBM TDB	or USPAT; 2003/04/21 13:31 US-PGPUB; EPO; JPO; DERWENT; IBM TDB	ч	or USPAT; 2003/04/22 09:31 US-PGPUB; EPO; JPO; DERWENT; IRM TDR	USPAT; 2003/04/21 13:29 US-PGPUB; EPO; JPO; DERWENT; IBM TDB
or curv\$4) near4 (detect\$4 or follow\$4 or sens\$4 same (vessel\$3 or \$3medical\$3)	(((edge\$4 or boundr\$4 or curv\$4) near4 (detect\$4 or follow\$4 or sens\$4 or measur\$5 or read\$3)) same (vessel\$3 or \$3medical\$3)) same ((start\$3 or end\$3) near3 (point\$3))	<pre>(edge\$4 or boundr\$4 or curv\$4 or path\$3) near4 (track\$4 or detect\$4 or locat\$4 or follow\$4 or sens\$4 or measur\$5 or read\$3)</pre>	((edge\$4 or boundr\$4 or curv\$4 or path\$3) near4 (track\$4 or detect\$4 or locat\$4 or follow\$4 or sens\$4 or measur\$5 or read\$3)) same (x\$ray or vessel\$3 or medical\$3 or biomedical\$3)	(((edge\$4 or boundr\$4 or curv\$4 or path\$3) near4 (track\$4 or detect\$4 o. locat\$4 or follow\$4 or sens\$4 or measur\$5 or read\$3) same (x\$ray or vessel\$3 or medical\$3 or biomedical\$3) same ((start\$3 and end\$3) with (point\$3))	(((edge\$4 or boundr\$4 or curv\$4 or path\$3) near4 (track\$4 or detect\$4 locat\$4 or follow\$4 or sens\$4 or measur\$5 or read\$3)) same (x\$ray or vessel\$3 or medical\$3 or biomedical\$3) same ((grid\$4 or grat\$4 or mesh\$4) with (point\$3))	(((edge\$4 or boundr\$4 or curv\$4 or path\$3) near4 (track\$4 or detect\$4 locat\$4 or follow\$4 or sens\$4 or measur\$5 or read\$3)) same (x\$ray or vessel\$3 or medical\$3 or biomedical\$3)) same (kernal or matri\$4)	(((edge\$4 or boundr\$4 or curv\$4 or path\$3) near4 (track\$4 or detect\$4 or locat\$4 or follow\$4 or sens\$4 or measur\$5 or read\$3)) same (x\$ray or vessel\$3 or medical\$3 or biomedical\$3)) same ((kernal or matri\$4) near4 (vertical or horizontal or adjacent))	(((edge\$4 or boundr\$4 or curv\$4 or path\$3) near4 (track\$4 or detect\$4 locat\$4 or follow\$4 or sens\$4 or measur\$5 or read\$3)) same (x\$ray or ((blood or brain)near4 vessel\$3) or medical\$3 or biomedical\$3)) same (kernel\$3 or matri\$4)	(imag\$4) same ((extract\$4 or obtain\$3 or retriv\$4 or sens\$3) near4 (point\$2 or pattern\$3))
1545	15	521878	8590	10	13	76	8	8	32050
ı	1	1	1	ı	1	1	1	1	1

123	((imag\$4) same ((extract\$4 or obtain\$3 or retriv\$4 or sens\$3) near4 (point\$2 or pattern\$3))) same ((change\$4 or vary\$3 or variable or modify\$3 or alters\$) near3 (intensit\$4))	USPAT; US-PGPUB;	2003/04/21 13:36
1259	(imag\$4) same ((e (point\$2 or patter near4 (track\$4 or	DERWENT; IBM_TDB USPAT; US-PGPUB;	2003/04/21 15:22
	read\$3)) (((imag\$4) same ((extract\$4 or obtain\$3 or retriv\$4 or sens\$3) near4 (point\$2 or pattern\$3))) same ((edge\$4 or boundr\$4 or curv\$4 or path\$3)	DERWENT; IBM TDB USPAT; US-PGPUB;	2003/04/21 14:03
351		EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB;	2003/10/20 17:30
435	382/202.ccls.	DERWENT; IBM_IDB USPAT; US-PGPUB; RPO: JPO;	2003/04/21 15:11
229	382/226.ccls.	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/04/21 15:16
974	382/197.ccls. or 382/202.ccls. or 382/226.ccls.	DERWENT; IBM_TDB USPAT; US-PGPUB;	2003/04/21 15:16
142	(382/197.ccls. or 382/202.ccls. or 382/226.ccls.) and ((path\$4 or edge\$3 or curv\$4 or boundr\$4) near4 (detect\$4 or follow\$4 or track\$4 or extract\$4))	EPO; JPO; IBM_IDB USPAT; US-PGPUB; EPO; JPO;	2003/04/21 16:02
73		IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/10/20 17:30
51	((382/197.ccls. or 382/202.ccls. or 382/226.ccls.) or curv\$4 or boundr\$4) near4 (detect\$4 or follow\$4 extract\$4)) and (bidirection\$3 or (back near track\$	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/04/22 11:11
1763	((edge\$4 or boundar\$4 or contour\$4 or path\$3) near4 (track\$4 or detect\$4 or locat\$4 or follow\$4 or sens\$4 or measur\$5)) same ((blood near4 vessel\$3) or medical\$3 or biomedical\$3)	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/04/22 09:44

727	((edge\$4 or boundar\$4 or contour\$4 or path\$3) near4 (track\$4 or detect\$4 or locat\$4 or follow\$4 or sens\$4 or measur\$5)) with ((blood near4 vessel\$3) or medical\$3 or biomedical\$3)	USPAT; US-PGPUB; EPO; JPO;	2003/04/22 17:06
591	((edge\$4 or boundar\$4 or contour\$4 or path\$3) near3 (track\$4 or detect\$4 or locat\$4 or follow\$4 or sens\$4 or measur\$5)) with ((blood near2 vessel\$3) or medical\$3 or biomedical\$3)	IBM TDB USPAT; US-PGPUB; EPO; JPO;	2003/04/22 16:23
553	((edge\$4 or boundar\$4 or contour\$4 or path\$3) near3 (track\$4 or detect\$4 or locat\$4 or follow\$4 or measur\$5)) with ((blood near2 vessel\$3) or medical\$3 or biomedical\$3)	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/04/22 11:25
10	(((edge\$4 or boundar\$4 or contour\$4 or path\$3) near3 (track\$4 or detect\$4 or locat\$4 or follow\$4 or measur\$5)) with ((blood near2 vessel\$3) or medical\$3 or biomedical\$3) same (bidirection\$3 or (back near track\$4) or	IBM TDB USPAT; US-PGPUB; EPO; JPO;	2003/04/22 11:17
424	<pre>(back)) ((edge\$4 or boundar\$4 or contour\$4 or path\$3) near3 (track\$4 or detect\$4 or locat\$4 or follow\$4 or measur\$5)) with ((blood near2 vessel\$3) or medical\$3 or biomedical\$3)) and (@ad<=19990604 or @rlad)</pre>	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/04/22 12:32
0	(((edge\$4 or boundar\$4 or contour\$4 or path\$3) near3 (track\$4 or detect\$4 or locat\$4 or sens\$4 or measur\$5)) with ((blood near2 vessel\$3) or medical\$3 or biomedical\$3)) same (grid\$4 and point\$3)	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/04/22 12:33
0	(((edge\$4 or boundar\$4 or contour\$4 or path\$3) near3 (track\$4 or detect\$4 or locat\$4 or follow\$4 or sens\$4 or measur\$5)) with ((blood near2 vessel\$3) or medical\$3 or biomedical\$3)) same (grid\$4)	IBM TDB USPAT; US-PGPUB; EPO; JPO;	2003/04/22 12:34
44	(((edge\$4 or boundar\$4 or contour\$4 or path\$3) near3 (track\$4 or detect\$4 or locat\$4 or sens\$4 or measur\$5)) with ((blood near2 vessel\$3) or medical\$3 or biomedical\$3) same (point\$3)	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/04/22 12:35
Ħ	or boundar\$4 or contour\$4 or path\$3) 4 or follow\$4 or sens\$4 or measur\$5)) or medical\$3 or biomedical\$3) same	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/04/22 17:06
25	(((edge\$4 or boundar\$4 or contour\$4 or path\$3) near3 (track\$4 or detect\$4 or locat\$4 or follow\$4 or sens\$4 or measur\$5)) same ((blood near2 vessel\$3) or medical\$3 or biomedical\$3)) same (cost\$4)	DEKWENI; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/04/22 17:40
798	382/128.ccls.	IBM TDB USPAT; US-PGPUB; EPO; JPO; IBM TDB	2003/04/22 17:38

	258	382/128.ccls. and ((edge\$4 or boundar\$4 or contour\$4 or path\$3) near3 (track\$4 or detect\$4 or locat\$4 or follow\$4 or sens\$4 or measur\$5))	USPAT; US-PGPUB; EPO; JPO;	2003/04/22 17:40
	177	(382/128.ccls. and ((edge\$4 or boundar\$4 or contour\$4 or path\$3) near3 (track\$4 or detect\$4 or locat\$4 or follow\$4 or sens\$4 or measur\$5))) and ((blood near2 vessel\$3) or medical\$3 or biomedical\$3)	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/04/22 17:44
1	29	((382/128.ccls. and ((edge\$4 or boundar\$4 or contour\$4 or path\$3) near3 (track\$4 or detect\$4 or locat\$4 or follow\$4 or sens\$4 or measur\$5)) and ((blood near2 vessel\$3) or medical\$3 or biomedical\$3)) and (cost\$4)	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/04/22 17:42
	174	((382/128.ccls. and ((edge\$4 or boundar\$4 or contour\$4 or path\$3) near3 (track\$4 or detect\$4 or locat\$4 or follow\$4 or sens\$4 or measur\$5))) and ((blood near2 vessel\$3) or medical\$3 or biomedical\$3))	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/04/22 17:43
1	36	(382/128.ccls. and ((edge\$4 or boundar\$4 or contour\$4 or path\$3) near3 (track\$4 or detect\$4 or locat\$4 or follow\$4 or sens\$4 or measur\$5))) and (blood near2 vessel\$3)	DEKWENI; IBM_TDB USPAI; US-PGPUB; EPO; JPO;	2003/04/22 17:45
	57	(382/128.ccls. and ((edge\$4 or boundar\$4 or contour\$4 or path\$3) near3 (track\$4 or detect\$4 or locat\$4 or follow\$4 or sens\$4 or measur\$5))) and ((start or end) near3 point\$2)	IBM TDB USPAT; US-PGPUB; EPO; JPO;	2003/04/22 17:46
	27	((382/128.ccls. and ((edge\$4 or boundar\$4 or contour\$4 or path\$3) near3 (track\$4 or detect\$4 or locat\$4 or follow\$4 or sens\$4 or measur\$5))) and ((start or and) near3 noint\$2)) and	IBM TDB USPAT; US-PGPUB;	2003/04/22 17:47
	354	ccls.	IBM TDB USPAT; US-PGPUB; EPO; JPO;	2003/10/20 17:30
	440	382/202.ccls.	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO: JPO:	2003/10/20 17:30
	238	382/226.ccls.	DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO;	2003/10/20 17:30
			DERWENT; IBM TDB	

	929	382/128.ccls.	USPAT; US-PGPUB; EPO; JPO;	2003/10/20 17:30
1	98	or sens\$3) near4 or curv\$4 or path\$3) c sens\$4 or measur\$5 or	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/10/20 17:31
ı	517	bidirection\$3 or (back near track\$4) or (back)) thread\$like) with struct\$4)	DERWENT; IBM_TDB USPAT; US-PGPUB;	2003/10/20 17:31
ı	0	382/197.ccls. and (((threadlike or thread\$like) with struct\$4))	DERWENT; IBM_TDB USPAT; US-PGPUB;	2003/10/20 17:32
ı	0	382/202.ccls. and (((threadlike or thread\$like) with struct\$4))	IBM TDB USPAT; US-PGPUB;	2003/10/20 17:32
ı	0	382/226.ccls. and (((threadlike or thread\$like) with struct\$4))	IBM TDB USPAT; US-PGPUB;	2003/10/20 17:32
ı	8	382/128.ccls. and (((threadlike or thread\$like) with struct\$4))	IBM_TDB USPAT; US-PGPUB;	2003/10/20 17:32
ı	0	382/197.ccls. and (((imag\$4) same ((extract\$4 or obtain\$3 or retriv\$4 or sens\$3) near4 (point\$2 or pattern\$3))) same ((edge\$4 or boundr\$4 or curv\$4 or path\$3) near4 (track\$4 or detect\$4 or locat\$4 or follow\$4 or sens\$4 or measur\$5 or read\$3)) same (bidirection\$3 or (back near track\$4) or (back))	EFO, USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2003/10/20 17:32
1	0	382/202.ccls. and (((imag\$4) same ((extract\$4 or obtain\$3 or retriv\$4 or sens\$3) near4 (point\$2 or pattern\$3))) same ((edge\$4 or boundr\$4 or curv\$4 or path\$3) near4 (track\$4 or detect\$4 or locat\$4 or follow\$4 or sens\$4 or measur\$5 or read\$3)) same (bidirection\$3 or (back near track\$4) or (back))	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2003/10/20 17:32
ı	н	382/226.ccls. and (((imag\$4) same ((extract\$4 or obtain\$3 or retriv\$4 or sens\$3) near4 (point\$2 or pattern\$3))) same ((edge\$4 or boundr\$4 or curv\$4 or path\$3) near4 (track\$4 or detect\$4 or locat\$4 or follow\$4 or sens\$4 or measur\$5 or read\$3)) same (bidirection\$3 or (back near track\$4) or (back))	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2003/10/20 17:32
1	1	/ 382/128.ccls. and (((imag\$4) same ((extract\$4 or obtain\$3 or retriv\$4 or sens\$3) near4 (point\$2 or pattern\$3))) same ((edge\$4 or boundr\$4 or curv\$4 or path\$3) near4 (track\$4 or detect\$4 or locat\$4 or follow\$4 or sens\$4 or measur\$5 or read\$3)) same (bidirection\$3 or (back near track\$4) or (back))	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2003/10/20 17:32